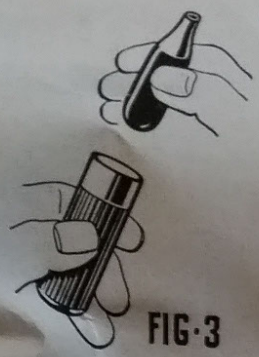
KIDDE
DRY ICE APPARATUS
MFD. BY
KIDDE MANUFACTURING CO. INC.
BLOOMFIELD, N. J. U.S.A.

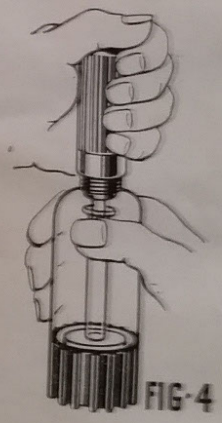
CLEANING WIRES
FOR
KIDDE DRY ICE APPARATUS
TO AVOID CLOGGING RUN WIRE THRU NEEDLE AT
REGULAR INTERVALS.
KIDDE MFG. CO., INC. BLOOMFIELD, N. J. U. S. A.



FIG·3

ward the open end of the upper body (see Figure 1). Then, while holding the upper body in a vertical position so that the applicator sleeve will not slip off, screw the lower body onto the upper body, making sure that the applicator sleeve is kept in a straight vertical position (see Figure 2). Any cocking of the applicator sleeve when screwing the machine together may cause the tip of the sleeve to crack or be forced out of shape. Screw the upper body and lower body together snugly but do not use force.

Next, place a KIDDE Refill Cartridge in the cartridge holder with the tapered neck, or small end, pointing out of the holder (see Figure 3). Then stand the machine on a table or desk on the black lower body so that it is in a vertical position and screw the cartridge holder onto the metal insert in the upper body. Screw down the cartridge holder until you feel resistance, which occurs when the end of the Refill Cartridge strikes the piercing pin in the metal insert. Grasping the machine with one hand and the cartridge holder with the other hand (see Figure 4), turn the cartridge holder SLOWLY ALL THE WAY DOWN. This will puncture cartridge and release the gas. *Important*—Cartridge holder must be turned slowly, so as not to blow the snow out of the applicator sleeve.



FIG·4

When the carbon dioxide gas has expended itself and snow no longer forms in the applicator sleeve, unscrew

the upper body of the machine (clear plastic) from the lower body (black plastic part). (See Figure 5.) Take the applicator sleeve out of the machine, using care not to spill any of the snow from it and then pack the snow to the desired hardness by means of the applicator plunger (see Figure 6). The pencil of dry ice in the applicator is now ready for use.

When applying the snow to the lesion, hold the applicator between the first two fingers, as you would a cigarette, and place the thumb on the end of the plunger. The snow should not be forced out of the applicator as the active tip is always in contact with the lesion because of the normal pressure exerted in treatment.

FIG·5

Cleaning Instructions

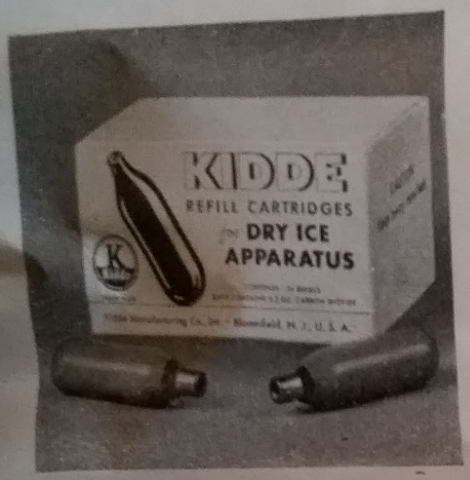
The revised Kidde Dry Ice machine meters the flow of gas by means of a metal disc with a metering hole which is located underneath the piercing pin bushing. This metal disc has made it possible to eliminate the former metering tube or nozzle.

The need for cleaning is readily indicated by an appreciable slowing up of the formation of carbon dioxide snow in the applicator sleeve. The cleaning of the metering disc is very easily accomplished by unscrewing the piercing pin bushing and exposing the disc, which is wiped off and a wire run through the metering hole. The piercing pin bushing is then replaced and the unit is ready for many more treatments.

FIG·6

Caution—Do not boil the plastic parts in autoclave, merely wash them in warm soap water if it is desirable to clean them.

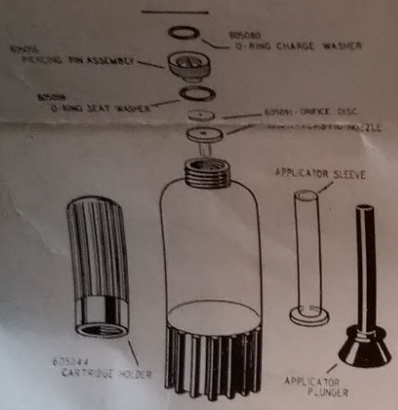
KIDDE Refill Cartridges for Dry Ice Apparatus



KIDDE Refill Cartridges have a special welded closure assuring a maximum amount of dry ice. Do not confuse with ordinary syphon chargers which cannot be used. Available only through recognized surgical instrument supply houses.

Price—$2.50 per box of 24

Repairs and Replacement Parts



Spare parts or repairs may be handled through your surgical supply house. All parts are easily replaceable by simply unscrewing piercing pin bushing with metal wrench tool provided with each kit.

No. 605071—Plastic Nozzle	$ .75 each
No. 605091—Metering Disc	.50 each
No. 605060—"O" Ring Charge Washer	.25 each
No. 605055—Piercing Pin Assembly	1.00 each
No. 605059—"O"Ring Seat Washer	.25 each
No. 605044—Cartridge Holder	1.00 each
No. 605031—5/32" dia. Applicator Sleeve	.50 each
No. 605032—9/32" dia. Applicator Sleeve	.55 each
No. 605033—½" dia. Applicator Sleeve	.60 each

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